

Claims

1. Two-dimensional mesh implant for hernia care, comprising
 - a first annular mesh layer (1), surrounding a central opening (3),
5 with an access slit (5), interrupting the annular path, towards the central opening (3),
 - a second annular mesh layer (2) surrounding a central opening (4), also with an access slit (6) interrupting the annular path, towards the central opening (4),
 - the two mesh layers (1, 2) being superimposed with aligning central openings (2, 4) with the positions of the access slits (5, 6) being offset with respect to one another and the two mesh layers being joined together only on one common side of the access slits (5, 6) based on the peripheral direction (P),
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 - the two access slits (5, 6) being positioned offset with respect to one another by an angle (V) of 180°, **characterised in that** the two mesh layers (1, 2) are designed identically and have a congruent shape.
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- 20 2. Mesh implant according to claim 1, **characterised in that** the two mesh layers are joined together by connection points (11) in the form of seamed points or bonded points.
- 25 3. Mesh implant according to claim 2, **characterised in that** the connection points (11) are in each case positioned along the inner circumferential edge (9, 10) of the central opening (3, 4) and along the outer edge (7, 8) of the mesh layers (1, 2).

4. Mesh implant according to any one of the preceding claims, **characterised in that** it is cut out of a mesh web material, preferably made from polypropylene, using a laser cutting beam.

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5. Mesh implant according to any one of the preceding claims, **characterised by** a metal-containing, continuous, body-compatible coating containing metal.

10 6. Mesh implant according to claim 5, **characterised in that** the coating is a titanium-containing coating with a thickness of less than $2 \mu\text{m}$, preferably from 5 to 700 nm.

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